

## UTILIZING A PROGRAM COUNTER WITH ONE OR MORE DATA COUNTERS FOR EXECUTING INSTRUCTIONS

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### ABSTRACT

Methods and systems for executing instructions utilizing a program counter with one or more data counters are provided. A program counter specifies an instruction in an instruction section to be executed by the computer. A data counter specifies a data location in a data section that includes information to be utilized when the instruction specified by the program counter is executed. By utilizing both a program counter and a data counter, instructions can be efficiently executed without unnecessarily wasting memory space and without wasting time to access data that is not aligned.

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